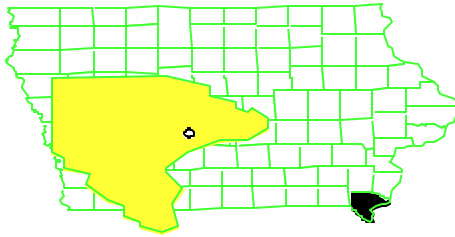


**E.I. DUPONT DE  
NEMOURS & COMPANY,  
INC.  
(COUNTY ROAD X23)  
IOWA  
EPA ID# IAD980685804**

**EPA Region 7**  
**City: 3 1/2 miles southwest of West Point**  
**County: Lee County**

**08/26/2002**

**Other Names: Baier, James Farm  
McCarl Farm**



## **SITE DESCRIPTION**

The E.I. DuPont de Nemours & Company, Inc. (County Road X23) site, an industrial waste dump in a rural area of Lee County, consists of two areas off County Road X23, about 3 1/2 miles southeast of West Point. In the early 1950s, DuPont sent wastes from its nearby Fort Madison paint plant to the two disposal sites, which are about 1 mile apart and cover 4 acres. One is known as the Baier farm subsite and the other as the DuPont/McCarl subsite. DuPont estimates that between 1949 and 1953 a contractor disposed of 48,000 to 72,000 drums of paint waste at the two subsites. These wastes were placed in shallow trenches and burned, then the soil was graded flat. The properties drop off to ravines on the northwestern sides. The company estimates that 4,500 to 7,000 tons of ash and unburned sludges still may exist on the areas. Approximately 1,200 people depend on private wells within 3 miles of the site as their sole source of drinking water. Two creeks about 1 mile from the site are used for limited recreational activities. Approximately 160 people live within 1 mile of the site; 1,250 live within 3 miles, with the closest population being 500 feet from the site. There are 40 private wells within 1 mile and 330 private wells within 3 miles; the nearest is 500 feet from the site. Water is consumed by the local population and livestock.

### **Site Responsibility:**

This site was addressed through Federal and potentially responsible parties' actions.

### **NPL LISTING HISTORY**

**Proposed Date:** 06/24/1988

**Final Date:** 08/30/1990

## THREATS AND CONTAMINANTS

Groundwater and soils were contaminated with heavy metals, including cadmium and lead, and volatile organic compounds (VOCs) from former disposal activities. Potential health threats consisted of ingesting contaminated groundwater and coming into direct contact with both groundwater and soil. Contaminants also could have accumulated in plants that were consumed by cattle.

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## CLEANUP APPROACH

### Response Action Status

**Initial Actions:** In late 1991, DuPont removed contaminated surface material that could not be stabilized to an off-site, Federally-approved disposal facility.

**Entire Site:** In 1985, the EPA installed three groundwater monitoring wells at the Baier subsite. Sampling in 1986 showed elevated concentrations of metals. Downstream water samples showed similar findings. When the McCarl subsite was studied in 1986, groundwater and soil samples again revealed metals. In 1989, the EPA ordered DuPont to perform a study of contamination at the site. DuPont completed the study in early 1991. Based on the results of this study, the EPA selected stabilization and solidification of contaminated soil and monitoring of the groundwater as the cleanup remedies. DuPont completed the design of these remedies in late 1992 and cleanup activities began shortly thereafter. Site cleanup activities were completed in 1993. The site was deleted from the NPL in September 1995. Groundwater monitoring and cap maintenance is currently ongoing.

**Site Facts:** On July 5, 1989, the EPA issued a Unilateral Order to DuPont requiring DuPont to undertake a study of site contamination and cleanup options at the Baier subsite. In late 1991, the EPA issued a Consent Decree requiring DuPont to design and conduct the site cleanup.

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## ENVIRONMENTAL PROGRESS



The removal of contaminated surface material, treatment of the contaminated soil, and monitoring of the groundwater has eliminated risks to public health or the environment from the site. All cleanup activities are complete. The EPA deleted the site from the NPL in September 1995. EPA conducted a Five-Year Review for the site in June 1997. The conclusion of the Five-Year Review is that the remedy remains protective of human health and the environment.

The Second Five-Year Review is currently underway and it is anticipated that it will be completed by the end of September 2002.

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## SITE REPOSITORY



Idol Raschid Memorial Library  
3421 Avenue L  
Fort Madison, IA 52627

Superfund Records Center  
901 N. 5th St.  
Kansas City, KS 66101  
Mail Stop SUPR  
(913)551-4038

## REGIONAL CONTACTS

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## MISCELLANEOUS INFORMATION

**STATE:**

IA

07Y6

**CONGRESSIONAL DISTRICT:**

03

**EPA ORGANIZATION:**

SFD-IANE/SUPR

## MODIFICATIONS